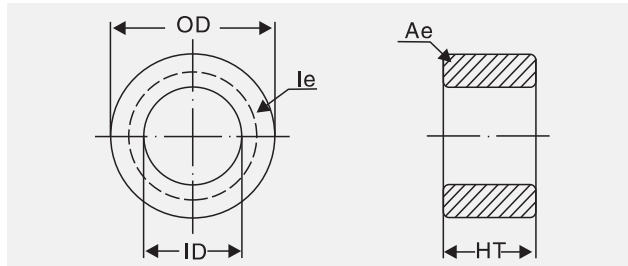


SPECIFICATION FOR APPROVAL

1. Material

Production:	Iron Powder Cores
KDM.P/N:	KT300-30D
A_L :	$46(\text{nH}/\text{N}^2) \pm 10\%$
Material:	-30
Coating Color:	Green/Gray
Coating material:	epoxy
Coating Breakdown Voltage:	800Vrms.0.5mA. 2sec



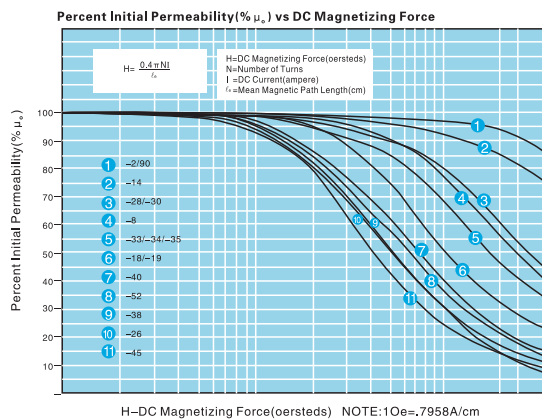
2. Physical Characteristics

After Coating			l_e (cm)	A_e (cm ²)	V (cm ³)	W (cm ²)	Weight	Box Quantity (Pieces)
OD mm	ID mm	Ht mm						
77.20 ± 0.75	49.00 ± 0.75	25.40 ± 0.75	19.800	3.380	67.000	18.850	400.51g	36

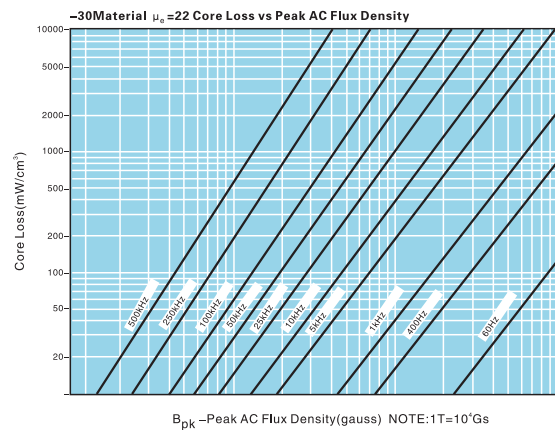
3. Electrical Parameters(Typical) Temperature(25°C ± 2°C)

Test Item	Test Condition	Value(Typical)
Inductance	ϕ 0.29mm/20Ts, 10kHz/1V, $I_{DC}=0A$	18.4 μ H ± 10%
DC-Bias	ϕ 0.8mm/113Ts, 10kHz/1V, L(7A)/L(0A) × 100%($H_{DC}=50Oe$)	82%(Min.)
Core Loss	100kHz/140Gs	129mW/cm ³ (Max.)
Q	ϕ 0.29mm/20Ts, 200kHz/1V, $I_{DC}=0A$	15(Min.)
Remarks	Set the internal resistance of LCR meter to 100 Ω .	

DC-Bias Curves(Typical)



Core Loss Curves(Typical)



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